Title (en)

INVOKING A RANDOM LINEAR NETWORK CODING COMMUNICATIONS PROTOCOL

Title (de)

AUFRUF EINES ZUFÄLLIGEN LINEAREN NETZWERKCODIERUNGSKOMMUNIKATIONSPROTOKOLLS

Title (fr)

APPEL D'UN PROTOCOLE DE COMMUNICATION DE CODAGE DE RÉSEAU LINÉAIRE ALÉATOIRE

Publication

EP 4038841 A4 20240214 (EN)

Application

EP 20872005 A 20201001

Priority

- US 201916591496 A 20191002
- US 2020053841 W 20201001

Abstract (en)

[origin: US2021105342A1] A technology is provided for invoking a random linear network coding (RLNC) communications protocol between a client and server in a network. In one example, a synchronize message requesting a network connection to a server can contain an indication that a client supports the RLNC communications protocol to encode and decode data packets using random linear network coding. The server can analyze the synchronize message for the indication that the client supports the RLNC communications protocol and send an acknowledge message to the client indicating that the server supports the RLNC communications protocol. Thereafter, the server can listen on a communications channel for a connection request sent by the client to communicate with the server using the RLNC communications protocol.

IPC 8 full level

H04L 12/46 (2006.01); **H04L 69/08** (2022.01); **H04L 69/16** (2022.01); **H04L 69/24** (2022.01)

CPC (source: EP US)

H04L 1/0076 (2013.01 - US); **H04L 12/4633** (2013.01 - EP US); **H04L 12/4641** (2013.01 - EP); **H04L 47/193** (2013.01 - US); **H04L 67/01** (2022.05 - US); **H04L 69/03** (2013.01 - US); **H04L 69/08** (2013.01 - EP US); **H04L 69/16** (2013.01 - EP); **H04L 69/164** (2013.01 - US); **H04L 69/22** (2013.01 - US); **H04L 69/24** (2013.01 - EP)

Citation (search report)

- [XI] CN 107508655 A 20171222 - UNIV SOUTHWEST JIAOTONG
- [A] US 2016191402 A1 20160630 - ANDERSON CHRIS [US], et al
- [A] US 2016134546 A1 20160512 - ANDERSON CHRIS [US], et al
- [A] CHIANG CHAOYUAN ET AL: "Loss-Rate Driven Network Coding for Transmission Control", 18 September 2014, SAT 2015 18TH INTERNATIONAL CONFERENCE, AUSTIN, TX, USA, SEPTEMBER 24-27, 2015; [LECTURE NOTES IN COMPUTER SCIENCE; LECT.NOTES COMPUTER], SPRINGER, BERLIN, HEIDELBERG, PAGE(S) 49 - 60, ISBN: 978-3-540-74549-5, XP047491335
- See also references of WO 2021067625A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 11528342 B2 20221213; **US 2021105342 A1 20210408**; EP 4038841 A1 20220810; EP 4038841 A4 20240214; US 2023188628 A1 20230615; WO 2021067625 A1 20210408

DOCDB simple family (application)

US 201916591496 A 20191002; EP 20872005 A 20201001; US 2020053841 W 20201001; US 202218065375 A 20221213